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PATENT APPLICATION

SUBSTITUTE SPECIFICATION
FOR NATIONAL PHASE SUBMISSION

CLEAN VERSION

12

ABSTRACT

[0030] A fluid injector has a housing, a valve body and an actuator unit inserted into the housing. The valve body has a cartridge with a recess that takes in a needle. The valve body further has a hollow body arranged in a fixed position to the needle and forming a first spring rest. The valve body further has a valve cap, which takes in the cartridge and forms a second spring rest. A return spring rests on the first spring rest and on the second spring rest. The valve cap, the housing and the cartridge are formed such, that before the valve cap and the housing and the valve cap and cartridge are permanently fixed to each other the valve cap is moveable relative to the housing and the cartridge while the housing and the cartridge stay in a fixed position relative to each other.